

**INFORMATION REPORT  
CONFIDENTIAL**

COUNTRY Rumania

SUBJECT Chemical Composition of Cement  
Produced in Rumania

25X1

PLACE ACQUIRED

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1. The following is a Rumanian chemical analysis of cement, type P-400, which is being offered for export by Romanoexport. Only certain limited quantities of cement are being made available by Rumania, reportedly because of heavy internal consumption.

Romanoexport - Cement P-400Chemical Characteristics:

|                                      | <u>Minimum</u> | <u>Maximum</u> |
|--------------------------------------|----------------|----------------|
| Containing in MgO                    | 2.5 percent    | 4 percent      |
| Containing in SO <sub>3</sub>        | 2.5 percent    | 2.75 percent   |
| Losses in calcination                | 3 percent      | 3 percent      |
| Insoluble in chlorohydric acid (sic) | 1 percent      | 1 percent      |

Physical Characteristics:Mechanical resistance to tension applying a kg/cm<sup>2</sup> load

|                   |            |               |
|-------------------|------------|---------------|
| More than 3 days  | 20 percent | 21.09 percent |
| More than 7 days  | 25 percent | 26.37 percent |
| More than 28 days | 28 percent | Not given     |

Mechanical resistance to compression applying a kg/cm<sup>2</sup> load

|                   |             |               |
|-------------------|-------------|---------------|
| More than 3 days  | 200 percent | 112.5 percent |
| More than 7 days  | 280 percent | 175.8 percent |
| More than 28 days | 400 percent | Not given     |

A further analysis is as follows:

|                                |            |             |
|--------------------------------|------------|-------------|
| SiO <sub>2</sub>               | 18 percent | 5 percent   |
| Al <sub>2</sub> O <sub>3</sub> | 4 percent  |             |
| Fe <sub>2</sub> O <sub>3</sub> | 2 percent  | 5 percent   |
| CaO                            | 59 percent | 68 percent  |
| MgO                            |            | 2.5 percent |

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Minimum                    Maximum

Insoluble in chlorohydric  
acid (sic)

1.0 percent

Losses in Calcination

3.0 percent

2. Rumania also produces another type of cement called P-300, which is reportedly of inferior quality and hence not for export.

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